Leak Detection/"1998" Requirements Inspection/Compliance Assistance Checklist							
PART I. OWNER/OPERA	TOR INFORMATION TUS! 8 02753						
1. Facility Name: D: -Na - Cal Label group	6. Date of Visit: 3171067. Marketer. Non-Mktr						
2. Owner: Smarfit Stone Container	8. Site Arrive/Depart (Time): 9:15 / 10						
3. Operator:	9. Facility Address: 4500 Beech STreet						
1. Contact Person: BIMT Peterson (613) 396	Cincinnati, Ott Norward, OH 45						
5. UST site Phone #:	10. State Person: Kestolino, Cisneras.						
PART II. UST SITE							
1. Tank #: 1 2 3	a HAZTEINCE 6 7						
2. Tank Type: 577-3							
3. Piping Type: Not under ground - In	a Trough						
4. Size of Tank: 5 K 5 K 5 K	5K						
5. Tank Contents: MEK RS-700 Regulated Regulated							
6. Install Date:							
7. TTT Date:/_//							
8. LTT Date:							
9. LD Method: IC, For Tanks Only Notes: A tank (tank only) that met the CP requirements prior to December 22, IC+TIT. All other tanks may do IC+TIT for up to 10 years after they							
10. Closure Date:/_//							
	mTemp PermTemp PermTemp						
11. Spill: Yes_No_ Yes_No_ Yes_No_ Yes	s_No Yes_No Yes_No Yes_No						
12. Overfill: Yes No Yes No Yes No Yes Type:	NoYesNoYesNo						
13. CP (Tank): Yes No Y	NoYesNoYesNo						
14. CP (Piping): Yes_No Yes_	s_No Yes_No Yes_No Yes_No						
PART III. DOCUMENTS D	OF I IVERED (Diases ()						
Facility Received 1998 Letter Yes No Facility Given 1998 Letter Yes No 40 CFR Part 280 Don't Wait Until 1998 MUSTS for USTS Doing Inventory Control Right for USTS							
	ntrol & Manual Tank Gauging						
Other:							
C15N 29°09 3430							

615 N 39°09. 3430 W 840 76.479

516 2759

Leak Detection/"1998" Requirements Site Visit/Compliance Assistance Checklist
PART IV. RECOMMENDATION(S) & NARRATIVE COMMENTS
Facility Will Send EPA Information Certifying Compliance with Leak Detection: Yes No N/A
Compliance Letter from Facility Due Date:/
Notes:
2. Follow-Up Visit: Yes No Est. Date: / /
Notes:
3. Information Request Letter: Yes No Date: /_ /
Notes:
4. Notice of Violation: Yes No Date: /_ /
Notes:
5. Refer to State Agency: Yes No
Notes:
6. Inspector's Remarks: (If warranted state here that no further action is necessary)
Company: Terry Brian Birent
7. Additional Remarks/Comments:
Overfill about Outside Near THIL
Petrometer Corp Model 50 Type 4 extent, Interstical Monitor Corp son 3rd Floor
Piping is above ground -NoT regulated
I.C. Monitoring checked weekly as well as
MEN 2 171
RS-200 Blend contains 10% Toluene - Regulated
No Violation Detected, However, TANKS
FILE NUMBER: COCH TO DE
required, The facility
Inspector Signature Date has Supervisor Signature Keapated Frons
Mail Ruturo 5/20106 as if they were regulated

Brent Peterson Process Engineer



4500 Beech Street Cincinnati, Ohio 45212 PH: 513-396-5627 FAX: 513-396-5615 cellular: 513-617-2215 e-mail: bpeterson@smurfit.com\ www.smurfit-stone.com/dinacal

Brian P. Ballman Technical Director

Smurfit-Stone DI-NA-CAL® Label Group

4500 Beech Street Cincinnati, Ohio 45212 513-396-5625 513-396-5615 fax 513-383-5858 cellular bballman@smurfit.com

A.T. Skiba General Manager

Smurfit-Stone

DI-NA-CAL® Label Group

4500 Beech Street Cincinnati, Ohio 45212 **513-396-5640** 513-396-5615 fax 513-235-2270 cellular tskiba@smurfit.com www.smurfit-stone.com/dinacal Release Prevention Compliance Measures Matrix 600 LP Cincinnation

D This can Grit Town	T. Concession #	SOC Messenge / Endaged Citation 1 1 In Compliance?	pliance?
regulatory Sunject Area		「 人のメ)	N.
I. Spill Prevention	1	Spill prevention device is present and functional. [280.20(c)(1)(i), 280.21(d)] \times	
II. Overfill Prevention	2	Overfill prevention device is present and operational. [280.20(c)(1)(ii), 280.21(d)] χ	
		Automatic shutoff is operational (i.e., device not tampered with or inoperable). [280.20(c)(1)(ii)(A), 280.21(d)]	
		☐ Alarm is operational. [280.20(c)(1) (ii)(B), 280.21(d)]	
		A Alarm is audible or visible to delivery driver. [280.20(c)(1) (ii)(B), 280.21(d)]	
		\square Ball float is operational. [280.20(c)(1)(ii)(B), 280.21(d)]	
III a. Operation and Maintenance	3	Repaired tanks and piping were tightness tested within 30 days of repair completion (not required w/internal inspections or if monthly monitoring is in use). [280.33(d)]	
III b. Operation and Maintenance of	4	CP systems were tested/inspected within 6 months of repair of any cathodically protected UST system. [280.33(e)]	
Corrosion Protection	vo.	Corrosion protection system is properly operated and maintained to provide continuous protection. [280.31(a)(b), 280.70(a)]	
	-	☐ UST system (Choose one)	
		☐ UST in operation	
		☐ UST in temporary closure	
	-	☐ CP System is properly operated and maintained	
	-	☐ CP system is performing adequately based on results of testing. [280.31(b)]; - or -	
	-	☐ CP system tested within required period and operator is conducting or has completed appropriate repair in response to test results reflecting CP system not providing adequate protection.	

Release Prevention Compliance Measures Matrix

		☐ Metal tank and piping are cathodically protected. [280.21(b)(2), 280.21(c)]		
		☐ Steel tank is internally lined. [280.21 (b)]		
		☐ Tank and piping meet new UST requirements. [280.21(a)(1)]		
		For existing USTs — tanks and piping installed on or before 12/22/88 [280.21(b), 280.21(c)]:		
	1800 c	Records are available to document that CP is not necessary. [280.20(a)(4)(ii), 280.20(b)(3)(ii)]	;	
		Tank is fiberglass, clad, or jacketed and piping is fiberglass or flexible plastic. [280.20(a)(1), $280.20(a)(3)$, $280.20(a)(5)$, $280.20(b)(1)$, $280.20(b)(4)$]		
		Steel tank or piping is coated with suitable dielectric material and cathodically protected. [280.20(a)(2), 280.20(b)(2)]		
		For new USTs - tanks and piping installed after 12/22/88 [280.20(a), 280.20(b)]:		
		☐ Buried metal piping components (such as swing joints, flex-connectors, etc.) are isolated from the ground or cathodically protected.		
X		Buried metal tank and piping (which includes fittings, connections, etc.) is corrosion protected. [280.20(a), 280.20(b), 280.21(b), 280.21(c)]	∞	IV. Tank and Piping Corrosion Protection
	X	Lined tanks are inspected periodically and lining is in compliance. [280.21(b)(1)(ii)]	7	Corrosion Protection (Continued)
	X	UST systems with impressed current cathodic protection are inspected every 60 days. [280.31(c)]	6	III b. Operation and
N A	N/A			
In Compliance?	БС	SOC Measure / Federal Citation	Measure#	Regulatory Subject Area

Notes: N/A -- Indicates that the measure is not applicable.

Any mark in the "N" (No) column means that the facility is not in Significant Operational Compliance (SOC) with Release Prevention Compliance Measures.

In order for a compliance measure to be in SOC, all applicable check-box items must be in compliance.

Release Detection Compliance Measures Matrix With Cal Lable Circumsti

fn Compliance? 765 Instructions – To Determine the Compliance Status of Measures #1-7, Use the Worksheet "Commonly Used Release Detection Methods". SOC Measure/ Federal Citation. Regulatory Subject Area Measure

	#	N.A Y	Z
I. Release Detection Method	1	Release detection method is present. [280.40(a)]	
Presence and Performance Requirements	2	Release detection system is operating properly (i.e., able to detect a release from any portion of the system that routinely contains product). [(280.40(a)(1)]	
	က	Release detection system meets specific performance standards in 280.43 or 280.44 (reference Xorksheet below for applicable standards). [(280.40(a)(3)]	
	4	Implementing agency has been notified of suspected release as required. [(280.40(b)] $ imes$	
		☐ Non-passing results reported and resolved in accordance with implementing agency's directions. [280.40(b)]	
II. Release Detection Testing	S	Tanks and piping are monitored monthly (or a periodic line tightness test is performed) for releases and records are available (must have records for the two most recent consecutive months and for 8 months of the last 12 months). [280,41(a)(b), and 280,45(b)]	Tanks
III. Hazardous Substance UST Systems	9	Hazardous substance UST system leak detection meets the requirements (i.e., either secondarily contained or otherwise approved by the implementing agency). [280.42(b)]	
IV. Temporary Closure	7	Release detection requirements are complied with (i.e., method present, operational, releases () (investigated and reported as required) for UST systems containing product. [280.70(a)]	

		Works	Worksheet - Commonly Used Release Detection Methods
		NE BILL SWOOD	
Tank (Choose one)	Pressurized Pipe (Choose Two)	Non-exempt Suction Pine	Release Detection Method (Applicable items below must be checked for compliance)
		(Своозе опе)	
			A. Inventory Control with Tank Tightness Testing (T.T.T.)
			🗖 Inventory control is conducted properly,
			☐ T.T.T. performed as required (See "D" below).
			☐ Inventory volume measurements for inputs, withdrawals, and remaining amounts are recorded each operating day and reconciled as required. [280.43(a)(1), 280.43(a)(3)]
			□ Equipment is capable of 1/8-inch measurement. [280.43(a)(2)]
			Product dispensing is metered and recorded within local standards for meter calibration to required accuracy. [280.43(a)(5)]
		-	□ Water is monitored at least monthly. [280.43(a)(6)]

Release Detection Compliance Measures Matrix

T SOME DAVING	DERANGER DE LEGIS DE	W(\$028)\$H\$\\\2\\\\	XM/ 11/XIII 1/X	DANNIE WATER	resident (des	SS (ANS BASE					50000000000000000000000000000000000000
Worksheet (Continued) - Commonly Used Release Detection Methods		Release Detection Method (All applicable items below must be checked for compliance)		G. Automatic Line Leak Detector (ALLD)	☐ ALLD is present and operational. [280.44(a)]	☐ Annual function test of the ALLD has been conducted and records are available. [280.44(a)]	H. Other Methods [e.g., Statistical Inventory Reconciliation (S.I.R.)]	☐ The method can detect a 0.2 gallon per hour leak rate or a release of 150 gallons within a month and meet the 95/5 requirement [280.43(h)(1)]; or	☐ The implementing agency has approved the method as being as effective as tank tightness testing, automatic tank	gauging, vapor monitoring, ground water monitoring, or interstitial monitoring and the operator complies with any conditions imposed by the implementing agency. [280.43(h)(2)]	□ S.I.R Results are received within time frame established by implementing agency. [280.41(a) & 280.43(h)]
1			3								
le											
Works		Non-exempt Suction	Ріре (Своме опе)								
		Pressurized Pipe	(Choose Two)								
		Tank	(Choose one)								

Notes: N/A - Indicates that the measure is not applicable.

Any mark in the "N" (No) column means that the facility is not in Significant Operational Compliance (SOC) with Release Detection Compliance Measures. In order for a compliance measure to be in SOC, all applicable check-box items must be in compliance.

Toluene is Listed on Hat Substance List.

MATERIAL SAFETY DATA SHEET

Ashland

Page 001 Date Prepared: 03/13/02 Date Printed: 01/09/03 MSDS No: 999.0256976-003.010

RS 200 BLEND

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: RS 200 BLEND SAP Material No: 7750671 415 00A General or Generic ID: SOLVENT BLEND

Company

Ashland Ashland Distribution Co. & Ashland Specialty Chemical Co. P. O. Box 2219 Columbus, OH 43216 614-790-3333

Emergency Telephone Number: 1-800-ASHLAND (1-800-274-5263) 24 hours everyday

Regulatory Information Number: 1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS	Number	몽	(by volume)
N-PROPYL ACETATE NORMAL PROPANOL TOLUENE		109-60-4 71-23-8 108-88-3		48.0- 52.0 38.0- 42.0 10.0

HAZARDS IDENTIFICATION 3.

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, beadache unconsciousness) temporary changes in mood and fatigue, nausea, headache, unconsciousness), temporary changes in mood and behavior, irregular heartbeat, and death.

8.

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Date Prepared: 03/13/02 Date Printed: 01/09/03

MSDS No: 999.0256976-003.010

RS 200 BLEND

grounded and/or bonded when material is transferred.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots...

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

```
N-PROPYL ACETATE (109-60-4)
OSHA PEL 200.000 ppm - TWA
OSHA VPEL 250.000 ppm - TWA
OSHA VPEL 250.000 ppm - STEL
ACGIH TLV 200.000 ppm - TWA
ACGIH TLV 250.000 ppm - TWA
ACGIH TLV 250.000 ppm - TWA
OSHA PEL 200.000 ppm - TWA
OSHA VPEL 250.000 ppm - TWA
OSHA VPEL 250.000 ppm - TWA (Skin)
ACGIH TLV 250.000 ppm - TWA (Skin)
TOLUENE (108-88-3)
OSHA PEL 200.000 ppm - TWA
OSHA PEL 200.000 ppm - TWA
OSHA PEL 300.000 ppm - TWA
OSHA PEL 100.000 ppm - TWA
OSHA VPEL 150.000 ppm - TWA
OSHA VPEL 150.000 ppm - TWA
OSHA VPEL 150.000 ppm - TWA (Skin)
ACGIH TLV 50.000 ppm - TWA (Skin)
```

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) 207.0 F (97.2 C) @ 760 mmHg

Ashland

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Date Prepared: 03/13/02 Date Printed: 01/09/03

MSDS No: 999.0256976-003.010

RS 200 BLEND

Vapor Pressure

(for component) 25.000 mmHg @ 68.00 F

Specific Vapor Density
> 1.000 @ AIR=1

Specific Gravity .853 @ 77.00 F

Liquid Density 7.100 lbs/gal @ 77.00 F .853 kg/l @ 25.00 C

Percent Volatiles

Evaporation Rate SLOWER THAN ETHYL ETHER

Appearance No data

State LIQUID

Physical Form HOMOGENEOUS SOLUTION

Color No data

Odor

No đata

pH
 Not applicable

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability Stable.

Incompatibility

Avoid contact with: strong oxidizing agents.

Ashland

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Date Prepared: 03/13/02 Date Printed: 01/09/03

RS 200 BLEND

MSDS No: 999.0256976-003.010

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs — including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101 DOT Description: PAINT RELATED MATERIAL, 3, UN1263, II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (1bs) Component

9799 TOLUENE

Other Transportation Information

The DOT Transport Information may vary with the container and mode of shipment. The state of the s

15. REGULATORY INFORMATION

US Federal Regulations
TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RO -40 CFR 302.4(a)

Component

RQ (lbs)

TOLUENE

1000

Ashland

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Date Prepared: 03/13/02 Date Printed: 01/09/03 MSDS No: 999.0256976-003.010

RS 200 BLEND

SARA 302 Components - 40 CFR 355 Appendix A

Section 311/312 Hazard Class - 40 CFR 370.2 Immediate(X) Delayed(X) Fire(X) Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s) CAS Number 108-88-3 10.00 TOLUENE

OSHA Process Safety Management 29 CFR 1910 None listed

EPA Accidental Release Prevention 40 CFR 68 None listed

International Regulations Inventory Status Not determined

State and Local Regulations California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer. BENZENE

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm. TOLUENE BENZENE

New Jersey RTK Label Information N-PROPYL ACETATE 109-60-4 71-23-8 PROPYL ALCOHOL TOLUENE 108-88-3

Pennsylvania RTK Label Information

ACĒTIC ACID, PROPYL ESTER 109-60-4 71-23-8 1-PROPANOL BENZENE, METHYL-108-88-3

OTHER INFORMATION 16.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Found on Hat Substance List

MATERIAL SAFETY DATA SHEET

Ashland

Page 001

Date Prepared: 10/01/02 Date Printed: 01/24/03

MSDS No: 999.0000017-007.001

METHYL ETHYL KETONE

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: METHYL ETHYL KETONE SAP Material No: 3540000 000 00B General or Generic ID: KETONE

Company

Ashland Ashland Distribution Co. & Ashland Specialty Chemical Co. P. O. Box 2219 Columbus, OH 43216 614-790-3333

Emergency Telephone Number: 1-800-ASHLAND (1-800-274-5263)

24 hours everyday

Regulatory Information Number: 1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)

CAS Number

욱 (by weight)

METHYL ETHYL KETONE

78-93-3

100.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Continued on next page

Page 002

Date Prepared: 10/01/02 Date Printed: 01/24/03

MSDS No: 999.0000017-007.001

METHYL ETHYL KETONE

Target Organ Effects

Based on animal studies, exposure to methyl ethyl ketone (MEK) increases the onset of peripheral neuropathy caused by exposure to methyl butyl ketone (MBK), and/or n-hexane, and/or ethyl butyl ketone. MEK alone has not been shown to cause peripheral neuropathy. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects.

Developmental Information

This material (or a component) has been shown to cause harm to the fetus in This material (or a component, has been shown to cause harm to humans is laboratory animal studies. The relevance of these findings to humans is uncertain.

Cancer Information

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Innalation, Skin absorption, Skin contact, Eye contact, Ingestion.

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

中国大学中国大学 电电子电影 医电影 This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin lung (for example, asthma-like conditions).

Ashland.

Page 003

Date Prepared: 10/01/02 Date Printed: 01/24/03 MSDS No: 999.0000017-007.001

METHYL ETHYL KETONE

FIRE FIGHTING MEASURES

Flash Point

F (-5.0 C) TCC 23.0

Explosive Limit

(for product) Lower 2.0 Upper 11.5

Autoignition Temperature F (403.8 759.0

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 1, Flammability - 3, Reactivity - 0

ACCIDENTAL RELEASE MEASURES 6.

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be Continued on next page

Page 004

Date Prepared: 10/01/02 Date Printed: 01/24/03

MSDS No: 999.0000017-007.001

· 全国中的证明中,建设的一定的证明也是有关。

METHYL ETHYL KETONE

grounded and/or bonded when material is transferred. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

METHYL ETHYL KETONE (78-93-3) OSHA PEL 200.000 ppm - TWA OSHA VPEL 200.000 ppm - TWA OSHA VPEL 300.000 ppm - STEL ACGIH TLV 200.000 ppm - TWA ACGIH TLV 300.000 ppm - STEL

PHYSICAL AND CHEMICAL PROPERTIES 9.

Boiling Point
(for product) 175.0 F (79.4 C) @ 760 mmHg

Vapor Pressure

(for product) 78.000 mmHg @ 68.00 F

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Ashland

Page 005

Date Prepared: 10/01/02 Date Printed: 01/24/03 MSDS No: 999.0000017-007.001

METHYL ETHYL KETONE

Specific Vapor Density 2.500 @ AIR=1

Specific Gravity .806 @ 68.00 F

Liquid Density 6.710 lbs/gal @ 68.00 F .806 kg/l @ 20.00 C

Percent Volatiles 100.0

Volatile Organic Compounds (VOC)

100.000 % 807.000 g/1 6.710 lbs/gal

Evaporation Rate 5.70 (N-BUTYL ACETATE)

CLEAR, COLORLESS, MOBILE LIQUID

State LIQUID

Physical Form NEAT

Color

CLEAR, APHA COLOR 10 MAX

Odor

STRONG CHARACTERISTIC "KETONE"

pН

No data

Viscosity $\cdot 4$

Freezing Point
-123.0 F (-86.1 C)

cps

Molecular Weight 72.0

Solubility in Water 26.8 % AT 20.0 C

Octanol/Water Partitiion Coefficient

Bulk Density .900 lbs/ft3 · 舞蹈自主等法 "清楚的技术"。这个时代

Ashland

Page 006

Date Prepared: 10/01/02 Date Printed: 01/24/03

MSDS No: 999.0000017-007.001

METHYL ETHYL KETONE

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

. 12. **ECOLOGICAL INFORMATION**

No data

DISPOSAL CONSIDERATION

Waste Management Information

Destroy by incineration in accordance with applicable regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101 DOT Description: METHYL ETHYL KETONE,3,UN1193,II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs) Component

5000

ETHYL METHYL KETONE

PARECOS SINS Conject Conject

Continued on next page

Ashland

Page 001

Date Prepared: 03/13/02 Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: PROPYL ACETATE NORMAL
SAP Material No: 3690000 000 00B General or Generic ID: ESTER

Company

Ashland Ashland Distribution Co. & Ashland Specialty Chemical Co. P. O. Box 2219 Columbus, OH 43216 614-790-3333

Emergency Telephone Number: 1-800-ASHLAND (1-800-274-5263)

24 hours everyday

Regulatory Information Number: 1-800-325-3751

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s) CAS Number % (by weight) N-PROPYL ACETATE 109-60-4 100.0

HAZARDS IDENTIFICATION 3.

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, tight feeling in the chest, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Ashland

Page 002

Date Prepared: 03/13/02 Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: liver damage.

Developmental Information

No data

Cancer Information

There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact, Eye contact, Ingestion.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver.

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FIRE FIGHTING MEASURES

Flash Point

58.0 F (14.4 C) TCC

Ashland

Page 003

Date Prepared: 03/13/02 Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

Explosive Limit

(for product) Lower 1.7 Upper 7.9 %

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

alcohol foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water may be ineffective. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 1, Flammability - 3, Reactivity - 0

ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Per good environmental management practices, prevent run-off to sewers, streams and other bodies of water. Stop spill at the source. Cover sewer grates and dike the spill. Absorb spilled material on to absorbents. Shovel materials into container. Close container tightly and dispose of properly.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at Continued on next page

Ashland

Page 004

Date Prepared: 03/13/02 Date Printed: 02/07/03

PROPYL ACETATE NORMAL

Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

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elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

N-PROPYL ACETATE (109-60-4)
OSHA PEL 200.000 ppm - TWA
OSHA VPEL 200.000 ppm - TWA
OSHA VPEL 250.000 ppm - STEL
ACGIH TLV 200.000 ppm - TWA
ACGIH TLV 250.000 ppm - STEL

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for product) 210.2 - 217.4 F (99.0 - 103.0 C) @ 760 mmHg

Vapor Pressure

(for product) 25.000 mmHg @ 68.00 F

Specific Vapor Density 3.500 @ AIR=1

Ashland

Page 005

Date Prepared: 03/13/02 Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

Specific Gravity .885 - .890 @ 68.00 F

Liquid Density 7.390 lbs/gal @ 68.00 F .887 kg/l @ 20.00 C

Percent Volatiles

100.0

Volatile Organic Compounds (VOC)

100.000 % 887.000 g/l 7.390 lbs/gal

Evaporation Rate

2.75 (N-BUTYL ACETATE)

Appearance

CLEAR.

State

LIQUID

Physical Form

NEAT

Color

No data

Odor

No data

pН

Not applicable

Molecular Weight

102.0

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide.

Chemical Stability

Stable.

Incompatibility

Avoid contact with:

图 (1000.000) 内线膜 有自己 经图记 [19] (11) 电压器电池的连续电话 图像表 第二乙烷

Page 006
Date Prepared: 03/13/02 Date Printed: 02/07/03 MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

TRANSPORT INFORMATION 14.

DOT Information - 49 CFR 172.101 DOT Description:

N-PROPYL ACETATE, 3, UN1276, II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

Other Transportation Information

The DOT Transport Information may vary with the container and mode of shipment.

REGULATORY INFORMATION 15.

US Federal Regulations
TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ -40 CFR 302.4(a)

None listed

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire(X) Reactive()

Pressure()

Sudden Release of

villidiiaqqoos.:

Ashland

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Date Prepared: 03/13/02 Date Printed: 02/07/03

MSDS No: 999.0001004-005.005

PROPYL ACETATE NORMAL

SARA 313 Components - 40 CFR 372.65

OSHA Process Safety Management 29 CFR 1910 None listed

EPA Accidental Release Prevention 40 CFR 68 None listed

International Regulations
Inventory Status

ACOIN (AUSTRALIA) The intentional ingredients of this product are listed.

DSL (CANADA) The intentional ingredients of this product are listed.

ECL (SOUTH KOREA) The intentional ingredients of this product are listed. EINECS (EUROPE) The intentional ingredients of this product are listed. ENCS (JAPAN) The intentional ingredients of this product are listed.

State and Local Regulations California Proposition 65 None

New Jersey RTK Label Information N-PROPYL ACETATE

109-60-4

Pennsylvania RTK Label Information ACETIC ACID, PROPYL ESTER

109-60-4

OTHER INFORMATION 16.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.



Ashland
Ashland Distribution Co. &
Ashland Specialty Chemical Co.
P. O. Box 2219
Columbus, OH 43216
614-790-3333



003 301 3J0 0096110-0096110 09/11/02

JEFFERSON SMURFIT CORPORATION NORWOOD LABEL PLANT
4500 BEECH STREET
CINCINNATI OH 45212

JEFFERSON SMURFIT CORPORATION NORWOOD LABEL PLANT CINCINNATI OH 45212

We are enclosing a Material Safety Data Sheet for each product recently purchased from Ashland Chemical Company. MSDSs are provided to you under Ashland's policy of communicating to our customer health, safety and environmental information for safe handling, use and disposal of our products.

This information must be made available to health and safety personnel within your organization and to all employees who come in contact with these products.

If you resell or distribute an Ashland Chemical Company product, a copy of the MSDS must be sent to that customer. The product container must have the appropriate label attached. If you repackage the Ashland product and use your own label, you must prepare your own MSDS. The Ashland MSDS should only be used as a resource.

Should you require copies of MSDS's for the or other Ashland Chemical Company products, please telephone (614) 790-4612.

BLEND 235 D

2705200 41

PAGE 001

Page 001

Date Prepared: 08/23/02 Date Printed: 09/12/02 MSDS No: 999.0240914-004.003

BLEND 235 D

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: BLEND 235 D
SAP Material No: 2705200 415 00A General or Generic ID: SOLVENT BLEND

Company

Ashland Ashland Distribution Co. & Ashland Specialty Chemical Co. P. O. Box 2219 Columbus, OH 43216 614-790-3333

Emergency Telephone Number: 1-800-ASHLAND (1-800-274-5263)

24 hours everyday

Regulatory Information Number: 1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
ALIPHATIC PETROLEUM DISTILLATES ETHYL ALCOHOL ISOPROPANOL	64742-89-8 64-17-5 67-63-0	68.0- 72.0 24.0- 28.0 4.0

HAZARDS IDENTIFICATION 3.

Potential Health Effects

Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Symptoms of Exposure
Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and death.

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Date Prepared: 08/23/02
Date Printed: 09/12/02

BLEND 235 D

MSDS No: 999.0240914-004.003

Target Organ Effects

This product contains ethanol. Alcoholic beverage consumption has been associated with brain damage, heart damage, and pancreatitis in humans. relevance of these findings to ethanol exposure in industrial environments is uncertain. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: liver abnormalities, kidney damage, testis damage, Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: liver abnormalities, eye damage liver damage.

Developmental Information

This product contains ethanol. Alcoholic beverage consumption has been associated with birth defects in humans. The relevance of this finding to ethanol exposure in industrial environments is uncertain.

Cancer Information

This product contains ethanol. The International Agency for Research on Cancer (IARC) has determined that exposure to ethanol through chronic human consumption of alcoholic beverages can cause cancer. The relevance of this finding to ethanol exposure in industrial environments is uncertain.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Ingestion.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin lung (for example, asthma-like conditions), liver, kidney, eye.

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Date Prepared: 08/23/02 Date Printed: 09/12/02 MSDS No: 999.0240914-004.003

BLEND 235 D

5. FIRE FIGHTING MEASURES

Flash Point

10.0 - 19.0

F (-12.2

- -7.2

C) TCC

Explosive Limit

(for component) Lower 1.2

응

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards

Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Not determined

ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be Continued on next page

BLEND 235 D

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Date Prepared: 08/23/02
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MSDS No: 999.0240914-004.003

grounded and/or bonded when material is transferred.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves such as: nitrile rubber, To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

ALIPHATIC PETROLEUM DISTILLATES (64742-89-8) No exposure limits established

ETHYL ALCOHOL (64-17-5)
OSHA PEL 1000.000 ppm - TWA
OSHA VPEL 1000.000 ppm - TWA
ACGIH TLV 1000.000 ppm - TWA

ISOPROPANOL (67-63-0)
OSHA PEL 400.000 ppm - TWA
OSHA VPEL 400.000 ppm - TWA
OSHA VPEL 500.000 ppm - STEL
ACGIH TLV 400.000 ppm - TWA
ACGIH TLV 500.000 ppm - STEL

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) 172.4 - 174.2 F (78.0 - 79.0 C) @ 760 mmHg

Vapor Pressure

(for component) 44.600 mmHg @ 68.00 F

Specific Vapor Density

> 1.000 @ AIR=1

Ashland

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Date Prepared: 08/23/02 Date Printed: 09/12/02 MSDS No: 999.0240914-004.003

BLEND 235 D

Specific Gravity .739 @ 77.00 F

Liquid Density
6.150 lbs/gal @ 77.00 F
.739 kg/l @ 25.00 C

Percent Volatiles

100.0 %

Evaporation Rate:

SLOWER THAN ETHYL ETHER AND COMMON TO STREET

Appearance

No data

State

LIQUID

Physical Form

HOMOGENEOUS SOLUTION

Color

No data

Odor

No data

pН

Not applicable

10. STABILITY AND REACTIVITY

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

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Date Prepared: 08/23/02
Date Printed: 09/12/02 MSDS No: 999.0240914-004.003

BLEND 235 D

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101 DOT Description:

PAINT RELATED MATERIAL, 3, UN 1263, II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

Other Transportation Information

The DOT Transport Information may vary with the container and mode of shipment.

REGULATORY INFORMATION 15.

US Federal Regulations
TSCA (Toxic Substances Control Act) Status
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

None listed

SARA 302 Components - 40 CFR 355 Appendix A

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire(X) Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65

Ashland

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Date Prepared: 08/23/02 Date Printed: 09/12/02 MSDS No: 999.0240914-004.003

BLEND 235 D

OSHA Process Safety Management 29 CFR 1910

None listed

EPA Accidental Release Prevention 40 CFR 68

None listed

International Regulations Inventory Status

Not determined

State and Local Regulations California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer. BENZENE

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm. BENZENE

TOLUENE

New Jersey RTK Label Information NAPHTHA, SOLVENT ETHYL ALCOHOL 64742-89-8 64-17-5 ISOPROPYL ALCOHOL 67-63-0

Pennsylvania RTK Label Information

ETHANOL 64-17-5 2-PROPANOL 67-63-0

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

FLCOME TO THE press room search

Doug White State Fire Marshal Division

Home On Line Office Public Inquiry Corrective Actions Search By County Downloads Contact Us Payment Exit Permit Information Request Registration Application

Facility Details

DI-NA-CAL LABEL GROUP 4500 BEECH STREET NORWOOD 31000033

Facility Name

Address

city

Zip

Facility ID

(513)617-2215 **Brent Peterson** Industrial 24 HR Emergency Contact Type

Hamilton

County

45212

24 HR Emergency Phone Number of Tanks on Site

Delegated Authority Local Fire Dept

Norwood Fire Dept

ဍ

Eligible for Green Buckeye Award

Active Release Site

N/A Yes

Click here for Release Information

Owner Details

W002132

SMURFIT STONE CONTAINER ENTERPRI 4500 BEECH STREET

Owner Name

Address

Owner ID

NORWOOD НО

(513) 396-5627 45212

Phone

Zip

State

city

Tank Information

Tank Type

Tank ID

Content Capacity

Status

https://www.com.state.oh.us/sfm/bustr/PublicFacilityDetails.asp?FacilityID=31000033

BUSTR - Public Inquiry Facility Details Page 1 of 2

Hazardous Substance Hazardous Cathodically Protected 5000 Steel Cathodically Protected 5000 Steel T00004 T00003

CIU-Currently In Use CIU-Currently In Use CIU-Currently In Use Substance Hazardous Substance Hazardous Substance Cathodically Protected 5000 Steel Cathodically Protected 5000 Steel

T00002

T00001

[Back]

Permit Information

LFD Permit ID Issue Date 11/12/1999 Permit Status Expired Permit ID P00001

Inspection Information

Type Final Code 102 Inspection Date 11/2/99 Permit Number P00001 Inspection ID 100001 employmer privacy policy disclaimer press room contacts forms commerce home state fire marshal

https://www.com.state.oh.us/sfm/bustr/PublicFacilityDetails.asp?FacilityID=31000033

4/6/2006

4/6/2006





Doug White
Director of Commerce

Home

On Line Office

Public Inquiry

Corrective Actions

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Tank Details

Facility ID

31000033

Tank ID

T00001

Installation Date

12/1/1988

Capacity

5000

Tank Type

Cathodically Protected Steel

Corrosion Protection Piping

None Required

Corrosion Protection Tank

Field Galvanic Anodes

Content

Hazardous Substance

CAS#

Regulated

Yes

Overfill Device Installed

Yes

Spill Device Installed

Yes

Status

CIU

AST / UST

UST

Piping Material

Double Walled

Piping Type

Pressure

Release Detection on Piping

Mechanical Line Leak Detector

Release Detection on Tank

Automatic Tank Gauging; Interstitial Monitoring Double Walled;

Manual Tank Gauging; Statistical Inventory Reconciliation

Release Detection on Line

Date Removed

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Tank Details

Facility ID

31000033

Tank ID

T00002

Installation Date

12/1/1988

Capacity

5000

Tank Type

Cathodically Protected Steel

Corrosion Protection Piping

None Required

Corrosion Protection Tank

Field Galvanic Anodes

Content

Hazardous Substance

CAS#

Regulated

Yes

Overfill Device Installed

Yes

Spill Device Installed

Yes

Status

CIU

AST / UST

UST

Piping Material

Double Walled

Piping Type

Pressure

Release Detection on Piping

Mechanical Line Leak Detector

Release Detection on Tank

Automatic Tank Gauging; Interstitial Monitoring Double

Walled; Manual Tank Gauging; Statistical Inventory Reconciliation

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Tank Details

31000033 **Facility ID**

Tank ID T00003

Installation Date 12/1/1988

Capacity 5000

Tank Type Cathodically Protected Steel

Corrosion Protection Piping Field Galvanic Anodes

Corrosion Protection Tank Field Galvanic Anodes

Content Hazardous Substance

CAS#

Regulated Yes

Overfill Device Installed Yes

Spill Device Installed Yes

CIU Status

AST / UST **UST**

Piping Material Double Walled

Piping Type Pressure

Release Detection on Piping Mechanical Line Leak Detector

Release Detection on Tank Automatic Tank Gauging; Interstitial Monitoring Double

Walled; Manual Tank Gauging; Statistical Inventory Reconciliation

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Tank Details

Facility ID

31000033

Tank ID

T00004

Installation Date

12/1/1988

Capacity

5000

Tank Type

Cathodically Protected Steel

Corrosion Protection Piping

None Required

Corrosion Protection Tank

Field Galvanic Anodes

Content

Hazardous Substance

CAS#

Regulated

Yes

Overfill Device Installed

Yes

Spill Device Installed

Yes

Status

CIU

AST / UST

UST

Piping Material

Double Walled

Piping Type

Pressure

Release Detection on Piping

Mechanical Line Leak Detector

Release Detection on Tank

Automatic Tank Gauging; Interstitial Monitoring Double

Walled; Manual Tank Gauging; Statistical Inventory Reconciliation

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Di-Na-Cal Loebel Group

Only 2 out of the four Tanks Should be regulated as Haz Substance.

Tank Containing

1) RS-200 Blend > Because of Toluene

2) MEK

The others are not regulated.

1) Bhend 235 D Max be regulated as petroleum tank Due To Aliphatic Petroleum Distilates as of 4/6/06 - I am working on Find out.